

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 4 (canceled).

Claim 5 (currently amended). A circuit configuration for recognizing an occupancy of a vehicle seat and triggering a seatbelt warning in a motor vehicle, the circuit configuration comprising:

~~a first measuring connection;~~

~~a second measuring connection;~~

~~a third measuring connection;~~

~~a fourth measuring connection; and~~

~~weight sensitive resistance elements disposed in a separated and flat manner on the vehicle seat, said weight sensitive resistance elements having resistance elements and additional resistance elements, said resistance elements connected to one another in parallel within a first measuring circuit between said first measuring connection and said second measuring connection, said additional~~

~~resistance elements including a first additional resistance element connected in a second measuring circuit between said first measuring connection and said third measuring connection, said additional resistance elements including a second additional resistance element connected in a third measuring circuit between said second measuring connection and said fourth measuring connection~~

a first measuring connection, a second measuring connection, a third measuring connection, and a fourth measuring connection; and

a first measuring circuit connected between said first measuring connection and said second measuring connection, a second measuring circuit connected between said first measuring connection and said third measuring connection, and a third measuring circuit connected between said second measuring connection and said fourth measuring connection;

said first measuring circuit including resistance elements connected in parallel with each other;

said second measuring circuit including a first additional resistance element connected between said first measuring connection and said third measuring connection;

said third measuring circuit including a second additional resistance element connected between said second measuring connection and said fourth measuring connection; and

said resistance elements, said first additional resistance element, and said second additional resistance element being weight-sensitive resistance elements disposed in a separated and flat manner on the vehicle seat.

Claim 6 (currently amended). The circuit configuration according to claim 5, further comprising a common sensor seating mat for recognizing the seat occupancy and triggering the seatbelt warning in the motor vehicle;

wherein said resistance elements are sensor elements for recognizing the seat occupancy and are disposed on said common sensor seating mat; and

wherein said ~~additional resistance elements~~ first additional resistance element and said second additional resistance element are additional sensor elements for triggering the seatbelt warning and are disposed on said common sensor seating mat.

Claim 7 (previously presented). The circuit configuration according to claim 5, further comprising:

a first diagnostic resistor connected in parallel to said first additional resistance element; and

a second diagnostic resistor connected in parallel to said second additional resistance element.

Claim 8 (previously presented). The circuit configuration according to claim 6, wherein:

said common sensor seating mat has spacers and a first and a second backing film kept apart from one another by said spacers; and

at least one of said sensor elements for recognizing the seat occupancy has two opposite conducting structures, a first of said two opposite conducting structures being disposed on said first backing film and a second of said two opposite conducting structures being disposed on said second backing film, each of said first and second conducting structures having electrical connections at both ends, and said first and second conducting structures being able to make electrical contact when a force is exerted on said first and second backing films, said electrical connections of said first conducting structure includes a first connection connected to said first measuring connection and a second connection connected to said third measuring connection, said electrical connections of said second conducting structure includes a first connection connected to said fourth

measuring connection and a second connection connected to said second
measuring connection.